## **Amendments to the Claims**

	1. (Currently Amended) A method of handling events received at
2	sockets in a computer server configured to serve multiple clients, the method comprising
	executing a polling module configured to poll server sockets to detect events
4	received at said sockets;
	registering a first plurality of sockets with said polling module for serving the
6	multiple clients, wherein each of said sockets in said first plurality of sockets is
	associated with an event consumer and the plurality of sockets includes:
8	a single data delivery socket configured for simultaneously serving media
	data to all of the multiple clients; and
10	for each client, a separate control socket configured to receive command
	events from the client;
12	notifying a first event consumer associated with a first socket in said first pluralit
	of sockets when a first event is received at said first socket; and
14	invoking a task configured to facilitate handling of said first event;
	wherein a first processor thread is shared among said first plurality of sockets for
16	said polling; and
	wherein one or more processor threads are allocated to the execution of tasks
18	invoked by said event consumers.
	2. (Original) The method of claim 1, further comprising:
2	registering a second plurality of sockets with said polling module, wherein each
	of said sockets in said second plurality of sockets is associated with an event consumer;
4	wherein a second processor thread is shared among said second plurality of
	sockets.

consumers are program objects, and each of said event consumers is one of the set of:

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(Currently Amended)

The method of claim 1 3, wherein said event

- a listener consumer configured to handle a connection request event;
- 4 a connection consumer configured to handle a media streaming command event; and
- a receiver consumer configured to handle a media stream quality event;
  wherein said listener consumer, said connection consumer and said receiver
  consumer are derived from a single abstract base class.
- 5. (Currently Amended) The method of claim 1/2, wherein said first
   2 event comprises a connection request from a client; and
   wherein said first event consumer is a listener event consumer configured to
   4 establish a client connection through a second socket in response to said connection request.
- 6. (Currently Amended) The method of claim 1/3, wherein said first
   2 event comprises a media streaming command; and
   wherein said first event consumer is a connection consumer configured to execute
   4 said media streaming command.
- 7. (Currently Amended) The method of claim 1 3, wherein said first
   2 event comprises media stream quality information; and
   wherein said first event consumer is a receiver consumer configured to adjust said
   4 media stream according to said media stream quality information.
- 8. (Currently Amended) The method of claim 1 3, wherein said first socket is configured to host connections with multiple clients simultaneously.
- 9. (Currently Amended) The method of claim 1/2, wherein said first
   2 event comprises a request for a media streaming control connection from a first client and said first event consumer is a listener event consumer, and wherein said invoking a task
   4 comprises:

establishing a media streaming control connection with the first client through a

6	second socket configured for media streaming control connections with multiple clients;
	wherein said second socket is associated with a connection event consumer
8	configured to handle a media streaming control command

	10.	(Currently Amended)	The method of claim 9, further comprising:
2	receiv	ing, from the first client at s	aid second socket, a media streaming command
	to stream med	dia to the first client: and	

establishing a media streaming quality connection with the first client through a third socket configured for media streaming quality connections with multiple clients;

wherein said third socket is associated with a receiver event consumer configured to handle media streaming quality information.

- 11. (Original) A method of handling events received at a server
   2 configured to stream media to clients, wherein processor resources within the server are allocated in the form of threads, comprising:
- polling one or more registered server sockets for events received at the server from clients, wherein each registered socket is associated with an event consumer configured to handle an event received at the registered socket;

receiving a client connection request at a first socket;

- notifying a first event consumer of the connection request, wherein said first event consumer is associated with said first socket;
- registering a second socket configured to receive media streaming commands through a connection established in response to said client connection request;
- receiving at said second socket a media streaming command from the client; notifying a second event consumer of the command, wherein said second event

consumer is associated with said second socket; and

issuing one or more tasks configured to execute the media streaming command; wherein a first thread is shared among a first collection of sockets comprising said

wherein a set of threads is allocated to said one or more tasks.

first socket and said second socket; and

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- 12. (Original) The method of claim 11, further comprising:
- registering a third socket configured to receive data concerning the quality of media being streamed to the client, wherein said third socket is associated with a third event consumer;

wherein said first collection of sockets includes said third socket.

- 13. (Original) The method of claim 11, wherein said second socket is configured to receive media streaming commands from multiple different clients.
- 14. (Original) A computer readable storage medium storing instructions
  that, when executed by a computer, cause the computer to perform a method of handling
  events received at a server configured to stream media to clients, wherein processor
- 4 resources within the server are allocated in the form of threads, the method comprising: polling one or more registered server sockets for events received at the server
- from clients, wherein each registered socket is associated with an event consumer configured to handle an event received at the registered socket;
- 8 receiving a client connection request at a first socket;
- notifying a first event consumer of the connection request, wherein said first event consumer is associated with said first socket;
- registering a second socket configured to receive media streaming commands
  through a connection established in response to said client connection request;

receiving at said second socket a media streaming command from the client;

- notifying a second event consumer of the command, wherein said second event consumer is associated with said second socket; and
- issuing one or more tasks configured to execute the media streaming command; wherein a first thread is shared among a first collection of sockets comprising said
- 18 first socket and said second socket; and

wherein a set of threads is allocated to said one or more tasks.

## 15. Cancelled

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	24.	(New)	A media streaming server configured to stream media to	
2	multiple clien	its, the media s	streaming server comprising:	
	a set o	of server socker	ts, including:	
4	for each of the multiple clients, a separate control socket configured to			
	receiv	e media strean	n command events from the client;	
6	a single delivery socket configured to stream the media to the multiple			
	clients	s simultaneous	ly; and	
8		a single quali	ity control socket configured to receive media quality	
	inforn	nation events f	rom the multiple clients;	
10	a poller module configured to:			
		poll one or m	nore sockets in the set of sockets; and	
12		when an ever	nt is received at a polled socket, pass the event to a consumer	
	-		handle the event;	
14	a set of consumer object classes derived from a single abstract base class of			

	consumer of	jects, wherein	if the set of consumer object classes includes.	
16		a listener o	bject class configured to listen for connection requests from	
	new o	clients;		
a connection object class configured to handle command ever				
	at pol	led sockets c	coupled to the multiple clients; and	
20		a receiver	object class configured to process data received at a polled	
	socke	t; and		
22	a set of task objects derived from a single abstract base class of task objects,			
	wherein the s	set of task ob	jects includes:	
24		a command	d task object configured to execute a command received as part	
	of a c	ommand eve	ent; and	
26	a receive data task object configured to read data received at the media			
	streaming server.			
	25.	(New)	The media streaming server of claim 24, further	
2	comprising:			
	one o	r more poll ta	ables configured to identify said control sockets, said delivery	
4	socket and said quality control socket for polling.		ntrol socket for polling.	
	26.	(New)	The media streaming server of claim 24, wherein a given	
2 consumer object derived from one of said consumer object classes is configured		from one of said consumer object classes is configured to:		
	regist	er a socket w	vith said poller when the consumer object is responsible for	
4	handling an e	event receive	d at the socket.	
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	27.	(New)	The media streaming server of claim 26, wherein the given	
2 consumer object is further configured to:		ject is further	configured to:	
	place a task object in a task queue to handle an event received at the registered			
4	socket.			
	28.	(New)	The media streaming server of claim 27, further	
2	comprising:			

- a first set of processor threads dedicated to executing task objects placed in the task queue.
- 29. (New) The media streaming server of claim 28, further
- 2 comprising:

a second set of processor threads dedicated to polling sockets registered with said

- 4 poller.
- 30. (New) The media streaming server of claim 24, wherein the media 2 streaming server:

uses RTSP (Real-Time Streaming Protocol) to receive media stream command

4 events via the control sockets;

uses RTP (Real-time Transfer Protocol) to stream the media via the delivery

6 socket; and

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uses RTCP (Real-time Transport Control Protocol) to receive media quality information events via the quality control socket.

- 31. (New) A method of handling an event received at a media server from one of multiple clients receiving streamed media from the media server, the method
- comprising:

  4 (a) polling server sockets identified in one or more polltables, wherein one or more processor threads are dedicated to each polltable for polling sockets identified in the
- 6 polltable;
- (b) executing a first listener object configured to listen at a listener socket for 8 connections from the clients;
  - (c) adding the listener socket to one of the polltables;
- 10 (d) in response to receipt of a first client connection at the listener socket:
- (1) waking a processor thread dedicated to the polltable that includes the listener socket;
- (2) identifying the first listener object as the object responsible for handling events received at the listener socket; and

- (3) creating a first control socket dedicated to receiving control
   commands from the first client connection;
- (e) executing a first connection object configured to accept control commands from client connections;
  - (f) adding the first control socket to one of the polltables;
- 20 (g) in response to receipt of a control command at the first control socket:
- (1) waking a processor thread dedicated to the polltable that includes the first control socket;
- (2) identifying the first connection object as the object responsible for handling events received at the first control socket;
- (3) creating a first control task object configured to handle the control
   command; and
  - (4) executing the first control task object;
- 28 (h) streaming the media to the multiple clients simultaneously through a single media delivery socket; and
- 30 (i) receiving streaming quality information from the multiple clients at a single quality control socket.
  - 32. (New) The method of claim 31, wherein (b) comprises:
- 2 (1) deriving a listener class of objects from an abstract base class of consumer objects; and
- 4 (2) instantiating said first listener object from said listener class of objects.
- 33. (New) The method of claim 31, wherein adding a socket to a polltable comprises initiating polling of the socket.
  - 34. (New) The method of claim 31, wherein (d) further comprises:
- 2 (4) ceasing polling of the listener socket until the first control socket is created.
  - 35. (New) The method of claim 31, wherein (g) further comprises:

- 2 (5) ceasing polling of the first control socket until completion of execution of the first control task object.
  - 36. (New) The method of claim 31, wherein (g)(4) comprises:
- placing the first control task object in a task queue, wherein a set of processor threads is dedicated to executing task objects placed in said task queue.